STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information
Center (STIC) detected errors when processing the following computer readable
form:

Application Serial Number: _10/597,173_

Source: _1 Fwo,_

Date Processed by STIC: _8/24/06_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE
   APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A
   NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER
VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
>   **http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is
a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the
United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , **EFS Submission
   User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):**
   U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street,
   Alexandria, VA 22314

Revised 01/10/06

RAW SEQUENCE LISTING   DATE: 08/24/2006
PATENT APPLICATION: US/10/597,173   TIME: 15:19:46

Input Set : **F:\APP SER NO 10597173 (sequence list).txt**
Output Set: **N:\CRF4\08242006\J597173.raw**

```
 1 <110> APPLICANT: GENEIN CO., LTD.
 2       KIM, Cheol-Min
 3       PARK, Hee-Kyung
 5 <120> TITLE OF INVENTION: Oligonucleotide for genotyping of Mycoplasma, microarray
 6       comprising the oligonucleotide, and method for detection of
 7       species using the microarray
 9 <130> FILE REFERENCE: PN053079
11 <140> CURRENT APPLICATION NUMBER: US/10/597,173
11 <141> CURRENT FILING DATE: 2006-07-13
11 <160> NUMBER OF SEQ ID NOS: 133
13 <170> SOFTWARE: KopatentIn 1.71
15 <210> SEQ ID NO: 1
16 <211> LENGTH: 344
17 <212> TYPE: DNA
18 <213> ORGANISM: M.bovis
20 <400> SEQUENCE: 1
21 ttctacggag tacacttgtc ttttatcact ataaaaaaaa gacttataac caaaattact          60
23 agacctatat ttatttataa acgtcatggc ttttattaat aggtcaaaag ctatatatct         120
25 agttttgaga gaacattctc tcatatgttc tttgaaaact gaatagtaaa atatttttcg         180
27 atatttacaa cgacatcaaa aatcaaatta atggttaatt tgttttgatt catcgagtaa         240
29 gtcatattta atatgattca ttgaaatgtc ttaaaataca catctaaaac taacaacaat         300
31 aggaaaatac tacttttaaa taaggaagag ttttttggtgg atgc                         344
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 196
36 <212> TYPE: DNA
37 <213> ORGANISM: M.cloacale
39 <400> SEQUENCE: 2
40 cttctacgga gtacaattct cactgttatg gaattaaatt tgtatccagt tttgagagaa          60
42 ctttctctca attttgttct ttgaaaactg aatatagaca ttgaaatcaa taaattaata         120
44 tttcaaatgt ttagatcaac ctatagaata ttcaagacat atacaaaaat aggtcatact         180
46 tatatttata aatact                                                         196
49 <210> SEQ ID NO: 3
50 <211> LENGTH: 196
51 <212> TYPE: DNA
52 <213> ORGANISM: M.falconis
54 <400> SEQUENCE: 3
55 ctttctacgg agtacaactt ctgttatgga ataatatttg tatccagttt tgagagtact          60
57 aactctcttt ttgttctttg aaaactgaat atcgacattg aaaaattatt aattaatatt         120
59 tcaaagttta gatcaaccta tagaatacaa aaatatagac aacaataggt catacaacaa         180
61 acataacaaa acaact                                                         196
64 <210> SEQ ID NO: 4
65 <211> LENGTH: 239
66 <212> TYPE: DNA
```

Does Not Comply
Corrected Diskette Needed

see
pp 2, 6

RAW SEQUENCE LISTING
PATENT APPLICATION: **US/10/597,173**

DATE: 08/24/2006
TIME: 15:19:46

Input Set : **F:\APP SER NO 10597173 (sequence list).txt**
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```
 67 <213> ORGANISM: M.faucium
 69 <400> SEQUENCE: 4
 70 gaatggtggc ttcgagacta aaagttatgg aaaaacatcg tatccagttt tgagagaact      60
 72 aaacttctct cttttgttct ttgaaaactg aatatagaca ttgaaaatta aaaaattaat     120
 74 atttcaaagt ttagatcaac ctatagaata caaaatcaat acaataggtc aatactatac     180
 76 aattgcataa caaaaaatac tattaaacaa gataagagtt tttggtggat gcaattgta      239
 79 <210> SEQ ID NO: 5
 80 <211> LENGTH: 340
 81 <212> TYPE: DNA
 82 <213> ORGANISM: M.spermatophilum
 84 <400> SEQUENCE: 5
 85 gtggggatgg atcacctcct ttctacggag tacaaacata cattcaaatt ttgactgaat      60
 87 gttattaacc ttattttttc actaggcctt tttaatatat tttgttatgt gacttttatg     120
 89 gcctaaaagt cttatatcta gttttgagag gacatcctct ctaattgttc tttgaaaact     180
 91 gaatagtaaa ttttttgata tttacaacga catctaaata attgaattaa gtcaatttgt     240
 93 ttagatttca tcgagatagt cattttaaaa aaatgattca ttgaaatgtc ttaaaataca     300
 95 catcaaaaca aacaatctat acaataggaa tttatatact                           340
 98 <210> SEQ ID NO: 6
 99 <211> LENGTH: 322
100 <212> TYPE: DNA
101 <213> ORGANISM: M.synoviae
103 <400> SEQUENCE: 6
104 tccttacgga gtacattaat tttacaaaag gcatttttat taactgaaag cttttagaga      60
106 aaaattctaa aagcggttgt gtatcgcttt ttttgccttg ggctattgta tttagttttg     120
108 agagaacaac ctctcttaaa attgttcttt gaaaactaaa tagtaataaa gatattacaa     180
110 cgacatcaaa aatataaatt aattaaggtt aatttgtttt gataccgagt ttaaattatt     240
112 gaataataat ttattaaaat gtctttgaat acatcataac aatataacaa taggacatat     300
114 tgatactaac ttttaaaaaa gt                                              322
117 <210> SEQ ID NO: 7
118 <211> LENGTH: 15
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Probe for detecting Mycoplasma
126 <400> SEQUENCE: 7
127 ttctttgaaa actga                                                      15
130 <210> SEQ ID NO: 8
131 <211> LENGTH: 20
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Probe for detecting Mycoplasma
139 <400> SEQUENCE: 8
140 rwtctttvaa aactrratwm                                                 20
143 <210> SEQ ID NO: 9
144 <211> LENGTH: 21
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
```

W--> *(handwritten) needs explanation. See p.6 for even explanation.*

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Input Set : F:\APP SER NO 10597173 (sequence list).txt
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```
149 <223> OTHER INFORMATION: Probe for detecting M. arginini, etc.
152 <400> SEQUENCE: 9
153 mwtygtrtcc agttttgaga g                                          21
156 <210> SEQ ID NO: 10
157 <211> LENGTH: 21
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Probe for detecting M. arginini, etc.
165 <400> SEQUENCE: 10
166 tttagatcaa cctatagaat a                                          21
169 <210> SEQ ID NO: 11
170 <211> LENGTH: 21
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Probe for detecting M. bovis, etc.
178 <400> SEQUENCE: 11
179 rtatytagtt ttgagagrrc a                                          21
182 <210> SEQ ID NO: 12
183 <211> LENGTH: 21
184 <212> TYPE: DNA
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Probe for detecting M. bovis, etc.
191 <400> SEQUENCE: 12
192 wwtrattyat traaatgtct t                                          21
195 <210> SEQ ID NO: 13
196 <211> LENGTH: 17
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Probe for detecting M. bovis, etc.
204 <400> SEQUENCE: 13
205 ggkyaatttg tttwgat                                               17
208 <210> SEQ ID NO: 14
209 <211> LENGTH: 18
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Probe for detecting M. bovis, etc.
217 <400> SEQUENCE: 14
218 ratatttaca mcgmcayc                                              18
221 <210> SEQ ID NO: 15
222 <211> LENGTH: 21
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Probe for detecting M. muris, etc.
```

```
230 <400> SEQUENCE: 15
231 cctcctttct atcggagtam a                                      21
234 <210> SEQ ID NO: 16
235 <211> LENGTH: 21
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Probe for detecting M. muris, etc.
243 <400> SEQUENCE: 16
244 cggattctat ttagttttga g                                      21
247 <210> SEQ ID NO: 17
248 <211> LENGTH: 21
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Probe for detecting M. neurolyticum, etc.
256 <400> SEQUENCE: 17
257 taaaatagat accttaakat a                                      21
260 <210> SEQ ID NO: 18
261 <211> LENGTH: 17
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Probe for detecting M. neurolyticum, etc.
269 <400> SEQUENCE: 18
270 gtatyyagtt ttgaaag                                           17
273 <210> SEQ ID NO: 19
274 <211> LENGTH: 16
275 <212> TYPE: DNA
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: Probe for detecting M. neurolyticum, etc.
282 <400> SEQUENCE: 19
283 cttgccaawt agwtwt                                            16
286 <210> SEQ ID NO: 20
287 <211> LENGTH: 21
288 <212> TYPE: DNA
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Probe for detecting M. genitalium, etc.
295 <400> SEQUENCE: 20
296 awacracaat ctttctagtt c                                      21
299 <210> SEQ ID NO: 21
300 <211> LENGTH: 21
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: Probe for detecting M. genitalium, etc.
308 <400> SEQUENCE: 21
```

RAW SEQUENCE LISTING   DATE: 08/24/2006
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```
309 aataagttac taagggctta t                                          21
312 <210> SEQ ID NO: 22
313 <211> LENGTH: 18
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Probe for detecting Acholeplasma
321 <400> SEQUENCE: 22
322 tcatcatatt cagttttg                                              18
325 <210> SEQ ID NO: 23
326 <211> LENGTH: 21
327 <212> TYPE: DNA
328 <213> ORGANISM: Artificial Sequence
330 <220> FEATURE:
331 <223> OTHER INFORMATION: Probe for detecting Acholeplasma
334 <400> SEQUENCE: 23
335 gggcctrtag ctcagytggt t                                          21
338 <210> SEQ ID NO: 24
339 <211> LENGTH: 21
340 <212> TYPE: DNA
341 <213> ORGANISM: Artificial Sequence
343 <220> FEATURE:
344 <223> OTHER INFORMATION: Probe for detecting Acholeplasma
347 <400> SEQUENCE: 24
348 agagcrcwcg cytgataagc g                                          21
351 <210> SEQ ID NO: 25
352 <211> LENGTH: 21
353 <212> TYPE: DNA
354 <213> ORGANISM: Artificial Sequence
356 <220> FEATURE:
357 <223> OTHER INFORMATION: Probe for detecting Acholeplasma
360 <400> SEQUENCE: 25
361 wgrggtcgat ggttcragtc c                                          21
364 <210> SEQ ID NO: 26
365 <211> LENGTH: 21
366 <212> TYPE: DNA
367 <213> ORGANISM: Artificial Sequence
369 <220> FEATURE:
370 <223> OTHER INFORMATION: Probe for detecting Acholeplasma
373 <400> SEQUENCE: 26
374 tcatcatatt cagttttgar r                                          21
377 <210> SEQ ID NO: 27
378 <211> LENGTH: 21
379 <212> TYPE: DNA
380 <213> ORGANISM: Artificial Sequence
382 <220> FEATURE:
383 <223> OTHER INFORMATION: Probe for detecting Acholeplasma
386 <400> SEQUENCE: 27
387 agtctttgaa aagtagataa a                                          21
```

VARIABLE LOCATION SUMMARY   DATE: 08/24/2006
PATENT APPLICATION: **US/10/597,173**   TIME: 15:19:47

Input Set : **F:\APP SER NO 10597173 (sequence list).txt**
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Use of n's or Xaa's(NEW RULES):
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is **MANDATORY** if n's or Xaa's are present.
in <220> to <223> section, please explain location of n or Xaa, and which
residue n or Xaa represents.

Seq#:8; N Pos. 20

VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/597,173**

DATE: 08/24/2006
TIME: 15:19:47

Input Set : **F:\APP SER NO 10597173 (sequence list).txt**
Output Set: **N:\CRF4\08242006\J597173.raw**

```
L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:140 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:8
L:140 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:8
L:140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
```